

**ABSTRACT**

A pulse position modulated radio remote control system using distributed solid state data processing that includes a remote-control unit and a master-control unit, each unit having an associated transceiver so that information in the form of radio signals can be exchanged bidirectionally between the two units. The master-control unit controls operating functions of a pool or spa on command from the remote-control unit. The master-control unit also monitors operating conditions of the pool or spa and sends information about those conditions of the pool or spa and sends information about those conditions to the remote-control unit on command from the remote-control unit. A display on the remote-control unit allows a user to determine the status of various operating parameters of the pool or spa, such as water temperature. The remote-control unit also has a keypad that allows the user to input signals to be sent to the master-control unit.

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